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Wray

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(54) **MISSILE LAUNCH ASSEMBLY**
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(*) **Notice:** **Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.**

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(57) **ABSTRACT**

A missile launch assembly for underwater vehicles includes a launch tank having mounted therein an expandable elastomeric disc and a turbine, a water inlet conduit, an impulse tank interconnecting the water inlet conduit and a missile launch tube, and a pump inducer mounted in the water inlet conduit and drivable by the turbine. Movement of the disc from an expanded to a non-expanded condition causes water in the launch tank to drive the turbine to drive the pump inducer to pump water from the water inlet conduit to the impulse tank and thence to the launch tube to effect launch of a missile therein.

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13 Claims, 1 Drawing Sheet

